

S-3533-EX-1998

FUJITSU TEN

August 26, 1998

Attn.. Douglas Young
Federal Communications Commission
Experimental Radio Services
PO Box 358320
Pittsburgh , PA 15251-5315

Subject : Fujitsu Ten's Corp. of America's Application for STA

Dear Doug,

FUJITSU TEN Corp. of America wishes to apply for Special Temporary Authority for the purpose of operating a single mobile radar device, mounted onto a passenger car chassis, for the development of Adaptive Cruise Controls Systems in the US Transportation Industry.

The device itself enhances the performance of existing cruise control systems and is viewed to assist in creating a higher level of awareness for the operator of the vehicle, when the cruise control system is activated. The STA will provide Fujitsu Ten the opportunity to demonstrate the system to existing vehicle manufactures in the Detroit area, representing the cumulative efforts of our company over the past 26 years, with the goal of promoting similar such applications of devices here in the US.

The device as described below does not meet with current FCC guidelines.

Presently the device under development operates in the milli wave frequency band of 60.5GHz +/- 50.0MHz. The unit is manufactured by Fujitsu Ten and has a model number C8702 with a MPT # YKA0000109 issued by the Ministry of Post and Telecommunication in Japan. The device has an effective radiated power emission of no greater than 2 milli watts, with an antenna gain of 32dB +/- 3dB. The spurious power emission is less than 100 micro watts. The detection range is set for 120 meters and the signal is classified as a Frequency Modulated - Continuous Wave type device. The unit is to be mounted less than 1 meter above the road. A single vehicle with unit will be configured for demonstration purposes and data gathering purposes.

The device will only be in use for a period of 6 months between Sept., 1998 and Feb. 1999. The use will be limited to the metropolitan Detroit area and if necessary use can be restricted to the I-696, I-275, M-14 & I-75 interstate corridor, during the hours of 6:00AM and 8:00PM.

If further information is deemed necessary, I will be pleased to supply such information upon request.

Sincerely,



Bruce Rossini

New Business Development Manager

FUJITSU TEN CORP. OF AMERICA

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